

CURRICULUM VITAE

KRISHNA KISHORE.KAKARLA, M.Tech. (Ph.D)

S/o K.BALAVENKATAIAH,

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OBJECTIVE

- A position in the seeking challenging avenues where my qualification, working experience and technical expertise, match the strength and growth of the organization.

EXPERIENCE DETAILS:

Teaching Experience: 16yrs.

Industrial Experience: 1 ½ year. (BHEL -1yr. & CIPET- 6 months)

ACADEMIC DETAILS:

Degree	Branch & specialization	Year of passing	Class/ grade	Institute studied	University studied
Ph. D	-	About to submit Thesis	-	Andhra University, Visakhapatnam	Andhra University, Visakhapatnam
M. Tech	MECHANICAL (PRODUCTION ENGINEERING)	2005	Distinction	V.R.S.E.C, Vijayawada	Acharya Nagarjuna University
B.Tech	MECHANICAL ENGINEERING	2002	First	R.V.R&J.C.C.E, Guntur	Acharya Nagarjuna University

TEACHING EXPERIENCE:

S.No.	Name of Institution & Address	Position	Duration
1	Gudlavalleru Engineering College, Gudlavalleru, A.P	Assistant Professor	Nov 11 th 2019 to Till date
2	Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad	Assistant Professor	June 26 th 2018 to May 31 st , 2019
3	Narasaraopeta Engineering College, Narasaraopet, A.P	Associate Professor	June 1 st 2015 to March 5 th 2018
4	Ramachandra College Of Engineering, Vatluru, Eluru, A.P	Associate Professor	3 rd Nov 2014 to May 2015.
5	Gandhi Institute of Engineering & Technology, Gunupur, Rayagada, Odisha.	Associate Professor	10 th Feb. 2014 to 3 rd Nov. 2014.
6	University College of Engineering & Technology, Acharya Nagarjuna University, Guntur, A.P	Assistant Professor	11 th Aug 2010 to 10 th Feb. 2014
7	R.V.R&J.C. College of Engineering, Chowdavaram, Guntur, A.P	Assistant Professor	9 th June to 2005 to Aug. 11 th 2010.

FUNDED RESEARCH PROJECT:

S No	Name of the funding Agency	Name of the Scheme	Project Title	Year of sanction of grant	Duration	Amount Sanctioned	Status (Completed /Ongoing)
1.	RINL Visakhapatnam Steel Plant, Visakhapatnam	Industry – Institute Interaction	Utilization of Industrial waste of RINL Blast Furnace slag for foundry applications	2011 File No. MOU/AU – VSP/1/2011	1 year (2011-2012)	Rs.9.0 lakhs	Project Completed

RESEARCH PUBLICATION IN INTERNATIONAL JOURNALS:

S.No	Title of Paper	Name of Journal in which Published	Date
1	Prediction and experimental investigation on Tribological behavior of Aluminium matrix composites reinforced with Sic, Titanium dioxide and Zinc chloride using stir casting technique.	Proceedings in Springer Nature (Accepted for publication)	July 2021
2	Experimental and analytical studies on natural frequencies of thin bonded metallic plates	Materials Today: Proceedings doi.org/10.1016/j.matpr.2020.12.366 (Elsevier Ltd.)	Feb 2021
3	Tribological studies of Al-based metal matrix composite reinforced with Al-20Cu-10Mg ternary alloy using Taguchi technique	International Journal of Materials Engineering Innovation (Inderscience Publishers)	Jan 2018
4	Preparation and characterization of ternary alloy (Al-20Cu-10Mg) reinforced composite	Materials Today: Proceedings 5(2018)3719-3728(Elsevier Ltd.)	March 2017
5	Production, Characterization & Analysis of A A 2024, Reinforced with Ternary Alloy	International Journal of Scientific & Engineering Research, Volume 7, Issue 4	April-2016
6	Studies on Deformation Behaviour of A356/Al-20Cu-10Mg Particulate Composite Metallic Materials	International Journal of Engineering Research & Technology , ISSN: 2278-0181, Vol. 1 Issue 10.	December- 2012

LIST OF ATTENDED INTERNATIONAL CONFERENCES:

S.No	Title of Paper	Name & Address	Date
1	Prediction and experimental investigation on Tribological behavior of Aluminium matrix composites reinforced with Sic, Titanium dioxide and Zinc chloride using stir casting technique.	2 nd International Congress ,CAMSE 2021,Advances in Mechanical and Systems Engineering,NIT, Jalandhar,Punjab	July 17-19, 2021
2	Preparation and characterization of ternary alloy (Al-20Cu-10Mg) reinforced aluminium composite	7 th International conference on Materials processing and characterization,ICMPC 2017 GRIET,Hyderabad	17-19 March 2017

3	Dry sliding wear studies on Al based metal matrix composite reinforced with ternary alloy Al-20Cu-10Mg	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference AIMTDR-2016, College of Engineering, Pune, Maharashtra	16-18 Dec., 2016
4	Computational Analysis To Maximize The Heat Transfer Rate Of Double Tube Helical Coil Heat Exchanger	Proceedings of International Conference on Recent Trends in Mechanical Engineering-2K15(NECICRTME-2K15)	20th – 21st November, 2015
5	Experimental Investigation On Diesel Engine Using Linseed Oil	Proceedings of International Conference on Recent Trends in Mechanical Engineering-2K15(NECICRTME-2K15)	20th – 21st November, 2015
6	Investigation of Copper cored Aluminium & its alloys by Direct Extrusion	4th International Conference on Advances in Mechanical Engineering ICAME, Sardar Vallabhai National institute of Technology(SVNIT), Surat	23-25 Sep, 2010

LIST OF ATTENDED NATIONAL CONFERENCES:

S.No	Title of Paper	Name & Address	Date
1.	Structure Property relations of Al Cu binary alloys & Al Cu Mg ternary rich alloys	National Conference on Advances in Materials And Product Design AMPD 10 at Sardar Vallabhai National institute of Technology(SVNIT) , Surat	22- 23 Nov, 2010
2.	Smart Materials and its Importance in Present Scenario	Proceedings of National Conference on Recent Advances in Mechanical Engineering, RVR&JC, Guntur, A.P	7-8 th July, 2011
3.	Fabrication and characterization of A356/CuMgAl ₂ Composites	National Conference on Advances in Materials in Engineering(MATERIAUX 2K12) Department of Metallurgical Engineering , Andhra University , Visakhapatnam	24-25th Feb, 2012
4.	Fabrication and characterization of AA2024/Al 20%Cu 10%Mg Composites	National Conference on Advances in Materials in Engineering(MATERIAUX 2K12) Department of Metallurgical Engineering , Andhra University , Visakhapatnam	24-25th Feb, 2012

5.	Studies on Machinability properties of Aluminium Composites	National Conference on Advances in Materials in Engineering(MATERIAUX 2K12) Department of Metallurgical Engineering , Andhra University, Visakhapatnam	24-25th Feb, 2012
6.	Synthesis and Characterization of CuMgAl ₂ Particles Reinforced AA 2024 Composites	National Conference on Advances in Materials in Engineering(MATERIAUX 2K12) Department of Metallurgical Engineering , Andhra University , Visakhapatnam	24-25th Feb, 2012

LIST OF ATTENDED WEBINARS:

S.No.	Title Of The Webinar	Institute Name & Address	Date
1	Engineering Drawing Practice for Technocrats	Geethanjali Institute Of Science & Technology Nellore	16th May 2020
2	Research Thrust Areas In Composites	Arasu Engineering College,Tamilnadu	20 th May,2020
3	Machining Studies on Aluminum Composites	Cmr University,Karnataka	21st May, 2020
4	Evolution Of Connected Industries	Narasaropeta Engineering College,A.P	23rd May 2020
5	Mechanical Aspects Of High Voltage Circuit Breakers And Isolators	Cmr University,Karnataka	25 th May,2020
6	Insights To Industry 4.0	S.A. Engineering College,Chennai.	29 th May,2020.
7	Challenges In Job Interview	K.Ramakrishnan College Of Technology, Chennai.	2 nd June, 2020.
8	Advanced Material Processing	Narasaropeta Engineering College,A.P	4th June 2020.
9	Robotics Operations And Applications	Cmr University,Karnataka	7 th June,2020.

10	Impact Of Covid In Engineering Education & Way Forward	Gudlavalleru Engineering College, Gudlavalleru, A.P	9 th June,2020.
11	Intellectual Property Rights & Patents - A View	IQAC, Gudlavalleru Engineering College, Gudlavalleru, A.P	10 th to 12 th August 2020

LIST OF ATTENDED ONLINE WORKSHOPS:

S.No.	Title Of The Workshop	Institute Name & Address	Date
1	Additive Manufacturing	S.A. Engineering College, Chennai	15 th & 16 th May, 2020.

LIST OF ATTENDED ONLINE FACULTY DEVELOPMENT PROGRAMME:

S.No.	Title Of The Workshop	Institute Name & Address	DATE
1	Design For Manufacturing & Assembly	APPSSDC, A.P	21 st May to 23 rd May 2020.
2	Recent Trends In Quality Control & Testing Of Weldments	Godavari Institute Of Engineering & Technology {Autonomous}, Rajamahendravaram, Andhra Pradesh	26th and 27th May 2020.
3	Research Trends In Mechanical Engineering	Gudlavalleru Engineering College, Gudlavalleru, A.P	15 th to 20 th June 2020.
4	Modelling And Optimization Techniques For Materials And Manufacturing Processes	Lakireddy Bali Reddy College Of Engineering (Autonomous), A.P	18 th to 22 nd May, 2020.
5	Digital Engineering In Aerospace	APSSDC, A.P	1 st to 5 th June 2020.
6	The Strategies For Enhancing Professional Communication	Rise Krishna Sai Prakasam Group Of Institutions, Ongole, A.P	8th and 9th June, 2020

7	Contemporary Developments In Manufacturing Processes, Sustainable Manufacturing And Industrial Technologies	Pragati Engineering College,A.P	9th to 13th June, 2020
8	Matlab And Simulink In Engineering Education	APSSDC,A.P	10 th to 11 th June 2020.
9	Recent Developments In Mechanical Engineering	Prasad V.Potluri Siddhartha Institute Of Technology	10 th to 14th of August 2020.

LIST OF ATTENDED WORKSHOPS & SEMINARS:

S.No	Title of workshop	Place & Address	Date
1	Work shop on World Sills Day Competitions	VR Siddhartha College of Engineering,Vijayawada	30 th Jan,2018
2	A two week FDP cum workshop on New Frnotiers in multiscale modelling of advanced materials	NEC,NRT, Guntur	10 th to 25 th Nov, 2017
3	A two day hands on workshop on 3D printing	NEC,NRT, Guntur	13 th to 14 th Sep, 2017
4	I2E-Entrepreneurship Educators' Bootcamp	APPSSDC skill development centre, Vijayawada,A.P	8 th August, 2017
5	Faculty improvement program(FIP) on Industrial Automation - Siemens	APPSSDC skill development centre, VVIT,Guntur,A.P	15 th to 20 th May, 2017
6	National Instruments - Engineering Education and Research Seminar	Guntur,A.P	12 th Nov,2016
7	National Seminar on composite materials and polyners	NIST, Berhampur, Orissa	31 ST July to 1 st August, 2015
8	TEQIP sponsored workshop on Engineering Failures prediction, prevention and post Analysis	Department of Metallurgical Engineering , Andhra University , Visakhapatnam	13 th Feb ,2015
9	One week faculty development programme on Auto Cad(2D & 3D Modelling)	Gandhi Institute of Engineering & Technology, Gunupur	7 th to 12 th April, 2014
10	AICTE sponsored National seminar on Metal Matrix Composites	Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur	29 th to 30 th September ,2010
11	AICTE sponsored Staff	Department of Mechanical	16 th to 28 th Feb,

	Development Programme on ” Finite Element Analysis And Its Applications”	Engineering, GITAM Institute Of Technology, GITAM University, Visakhapatnam.	2009
12	Induction Training conducted for young faculty under Indian Society For Technical Education (ISTE) Chapter	Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur	25 th to 26 th July, 2008.
13	AICTE sponsored National seminar on Micro Machining	Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur	19 th to 20 th December 2008
14	A Short-Term Intensive Course on “Advances In Composite Materials”	Department of Mechanical Engineering, Vignan’s Engineering College, Vadlamudi, GUNTUR.	28 th to 30 th June, 2007.

LIST OF ATTENDED TRAINING PROGRAMMES:

S.No	Name of the Training Programme	Organization	Duration
1.	The first junior course in GERMAN language	RAMA KRISHNA MATH, Hyderabad.	July 2002 to September 2002
2.	Master’s Programme in CAD/CAM/CAE & MOLD DESIGN	CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY (CIPET), Hyderabad	June 2002 to december2002

MEMBERSHIP IN PROFESSIONAL BODIES:

1. Life Membership in SFA (Society for Failure Analysis)
2. Life Membership in ISRD (International Society For Research And Development)

MENTOR IN WEBSITES:

- Working as Mechanical Tutor in www.Chegg.com from 2018 to till date.
- Working as Mechanical Instructor in www.ekeeda.com from 2020 to till date.

GUEST LECTURES DELIVERED

1. A Guest Lecture (2021) is given on “FLEXURAL STRESS” in Narasaraopet Engineering College, Narasaraopet, A.P.
2. A Guest Lecture (2019) is given on “KINEMATIC ANALYSIS” in Narasaraopet Engineering College, Narasaraopet, A.P.
3. A Guest Lecture (2013) is given on Metallurgy & Engineering Materials at Tirumala Engineering College, Narasaraopet, A.P.
4. A Guest Lecture (2012) is given on Drawing techniques & Fundamentals at HMKS & MGS College of Engineering, Kanagala, A.P.

ADMINISTRATIVE ACTIVITIES

1. Serving as NBA Criteria Incharge in Gudlavalleru Engineering College, Gudlavalleru.
2. Served as Member in NBA Committee in Gudlavalleru Engineering College, Gudlavalleru.
3. Served as Mentor for World skills India.
4. Served as Mentor co-ordinator at Narasaraopeta Engineering College, Narasaraopet.
5. Served as Sero software co-ordinator at Narasaraopeta Engineering College, Narasaraopet.
6. Served as Moodle co-ordinator at Narasaraopeta Engineering College, Narasaraopet.
7. Served as Library Incharge for Central Library at Ramachandra College of Engineering, Vatluru, Eluru, A.P.
8. Served as Research Co-Ordinator at Gandhi Institute of Engineering & Technology, Gunupur, Rayagada, Odisha.
9. Served as Anti Ragging Committee Convenor at University College of Engineering & Technology, Acharya Nagarjuna University, Guntur, A.P.
10. Served as Placement Co-Ordinator at R.V.R&J.C. College of Engineering, Chowdavaram, Guntur, A.P.

SUBJECTS TAUGHT

- Engineering Graphics
- Kinematics Of Machines
- Dynamics of Machinery
- Theory of machines-1

- Engineering Mechanics
- Production Technology
- Advances in Manufacturing Technology
- Material Science & Metallurgy
- Structural Mechanics
- Design of machine members-II
- Metrology & Measurements
- Design with advanced materials
- Mechatronics
- Introduction to physical metallurgy & Engineering.

SOFTWARE KNOWLEDGE:

1. Catiav5 R11 2. Pro-E 3. AutoCAD 2002 4. Master Cam 5. Ansys.

PERSONAL DETAILS:

Date of Birth : 11-08-1979

Marital Status : Married

I hereby declared the all the particulars given above are correct to the best of my knowledge.

-sd/-

(K.KRISHNA KISHORE)